

Supplementary Information for

**Ribosome-associated Asc1/RACK1 is required for endonucleolytic cleavage  
induced by stalled ribosome at the 3' end of nonstop mRNA**

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Supplementary Table 1

**Table 1 Yeast strains and plasmids used in this study**

Strain/Plasmid name	Genotype/Plasmid	Source
<b>Strains</b>		
W303-1a	<i>MATa ade2 his3 leu2 trp1 ura3 can1</i>	Lab. Stock, Parent
YIT2011	<i>asc1Δ::kanMX4</i>	Kuroha <i>et al.</i> 2010
YIT2012*	<i>ski2Δ::hygMX4, asc1Δ::kanMX4</i>	Kuroha <i>et al.</i> 2010
YIT2013	<i>ski2Δ::kanMX4</i>	Kuroha <i>et al.</i> 2010
YIT2014	<i>dom34Δ::hygMX4</i>	Kuroha <i>et al.</i> 2010
YIT2016	<i>dom34Δ::hygMX4, ski2Δ::kanMX4</i>	Kuroha <i>et al.</i> 2010
YIT2019	<i>xrn1Δ::kanMX4</i>	Tsuboi <i>et al.</i> 2010
YIT2020	<i>dom34Δ::hygMX4, xrn1Δ::kanMX4</i>	Tsuboi <i>et al.</i> 2012
YIT2035	<i>asc1Δ::kanMX4, dom34Δ::hygMX4</i>	This study
YIT2036	<i>hbs1Δ::natMX4, dom34Δ::hygMX4, ski2Δ::kanMX4</i>	This study
YIT2037	<i>asc1Δ::kanMX4, dom34Δ::hygMX4, ski2Δ::natMX4</i>	This study
YIT2038	<i>xrn1Δ::kanMX4, asc1Δ::natMX4</i>	This study
YIT2039	<i>dom34Δ::hygMX4, xrn1Δ::kanMX4, hbs1Δ::natMX4</i>	This study
YIT2040	<i>dom34Δ::hygMX4, xrn1Δ::kanMX4, asc1Δ::natMX4</i>	This study
<b>Plasmids</b>		
p416GPDp	<i>CEN, URA3</i>	Mumberg <i>et al.</i> 1995
p415GPDp	<i>CEN, LEU2</i>	Mumberg <i>et al.</i> 1995
p414GPDp	<i>CEN, TRP1</i>	Mumberg <i>et al.</i> 1995
p413GPDp	<i>CEN, HIS3</i>	Mumberg <i>et al.</i> 1995
p416GAL1p	<i>CEN, URA3</i>	Mumberg <i>et al.</i> 1994
pSA144	<i>CEN, URA3, GAL1p-GFP-FLAG-HIS3</i>	Dimitrova <i>et al.</i> 2009
pIT2004	<i>CEN, URA3, GPDp-GFP-R12-FLAG-HIS3</i>	Dimitrova <i>et al.</i> 2009
pIT2015	<i>CEN, URA3, GAL1p-GFP-Rz-FLAG-HIS3</i>	Tsuboi <i>et al.</i> 2012
pIT2108	<i>CEN, URA3, GPDp-GFP-Rz-FLAG-HIS3</i>	Kobayashi <i>et al.</i> 2010
pIT2156	<i>CEN, HIS3, GAL1p-GFP-Rz-FLAG-HIS3</i>	This study
pIT2157	<i>CEN, LEU2, GPDp-FLAG-ASC1</i>	This study
pIT2158	<i>CEN, LEU2, GPDp-FLAG-ASC1 16HNG18AAA</i>	This study
pIT2159	<i>CEN, LEU2, GPDp-FLAG-ASC1 38RDK40AAA</i>	This study
pIT2160	<i>CEN, LEU2, GPDp-FLAG-ASC1 65SHI67AAA</i>	This study
pIT2161	<i>CEN, LEU2, GPDp-FLAG-ASC1 85WDK87AAA</i>	This study
pIT2162	<i>CEN, LEU2, GPDp-FLAG-ASC1 106HKS108AAA</i>	This study
pIT2163	<i>CEN, LEU2, GPDp-FLAG-ASC1 127RDK129AAA</i>	This study
pIT2164	<i>CEN, LEU2, GPDp-FLAG-ASC1 148NDW150AAA</i>	This study
pIT2165	<i>CEN, LEU2, GPDp-FLAG-ASC1 195HNS197AAA</i>	This study
pIT2166	<i>CEN, LEU2, GPDp-FLAG-ASC1 216KDG218AAA</i>	This study
pIT2167	<i>CEN, LEU2, GPDp-FLAG-ASC1 236AQD238AAA</i>	This study
pIT2168	<i>CEN, LEU2, GPDp-FLAG-ASC1 257ATG259AAA</i>	This study
pIT2169	<i>CEN, LEU2, GPDp-FLAG-ASC1 175DKM177AAA</i>	This study
pIT2170	<i>CEN, LEU2, GPDp-FLAG-ASC1 D109Y</i>	This study
pIT2171	<i>CEN, URA3, GPDp-ProteinA-TEV-GFP-Rz-HIS3</i>	This study
pIT2172	<i>CEN, LEU2, GPDp-RPS2-FLAG</i>	This study

\* The YIT number of these strains has been re-assigned.